

ABSTRACT

Each task #1, #2 registers signal handlers belonging thereto in a signal-handler table 112 through a handler registering section 111 in an OS 100, and registers itself and the priority thereof in a task/handler priority table 101 through a task registering section. When a signal is generated, a signal notifying section 131 specifies a signal handler corresponding to the signal and the priority thereof by referring to the signal-handler table 112, and a task/handler selecting section 141 selects a task or signal handler having a highest priority in the task/handler priority table 101. A task executing section 150 executes the selected task and a signal-handler executing section 151 executes the selected signal handler.